

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

NOV 08 2007

OCD-ARTESIA

2 Name of Operator

EOG Resources Inc.

3a Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432 686 3689

4 Location of Well (Footage, Sec, T, R, M., or Survey Description)

1880' FSL & 360' FEL, U/L I

Sec 24, T16S, R24E

5. Lease Serial No.

NM 111400

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

Robinson HW 3H

Fed Com

9. API Well No.

30-015-35812

10. Field and Pool, or Exploratory Area

Cottonwood Creek; WC, West

11. County or Parish, State

Eddy

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

completion

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

10/09/07 TD @ 8735' MD.

Ran 201 jts 5 1/2", 17 #, N-80 casing set at 8709'.

Cemented w/ 600 sx 50/50 POZ C, 11.8 ppg, 2.29 yield; 1000 sx Prem Plus C, 14.2 ppg, 1.30 yield. Circulated 285 sx to surface.

10/10/07 Released rig.

10/23/07 MIRU for completion. Test casing to 3145 psi for 30 min. Test good.

Perforated from 7915' to 8635', 0.42", 32 holes.

Frac w/ 72 bbls 15% HCL acid, 1136 bbls XL gel, 76168 # 100 mesh sand, 76011 lbs 30/50 sand, 30500 lbs 20/40 sand, 6535 bbls load water.

Perforated from 6955' to 7875', 0.42", 32 holes.

Frac w/ 142 bbls 15% HCL acid, 1158 bbls XL gel, 78353 lbs 100 mesh sand, 73095 lbs 30/50 sand, 31147 lbs 20/40 sand, 6203 bbls load water.

10/24/07 Perforated from 6000' to 6750', 0.42", 32 holes.

Frac w/ 142 bbls 15% HCL acid, 1112 bbls XL gel, 80827 lbs 100 mesh sand, 73985 lbs 30/50 sand, 27768 lbs 20/40 sand, 6266 bbls load water.

Perforated from 5050' to 5755', 0.42", 32 holes.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature

Stan Wagner

Date

11/01/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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**1880' FSL & 360' FEL, U/L I
Sec 24, T16S, R24E**

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TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>completion</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

10/24/07 Frac w/ 142 bbls 15% HCL acid, 991 bbls XL gel, 89702 lbs 100 mesh sand, 68442 lbs 30/50 sand, 26910 lbs 20/40 sand, 6247 bbls load water.

Flow back.

10/26/07 Turned to sales.

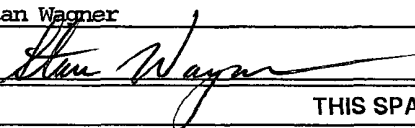
14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature



Date **11/01/07**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Pathfinder Energy

Survey Report

Company: EOG Resources	Date: 10/15/2007	Time: 11:29:34	Page: 1
Field: Thames Field	Co-ordinate(NE) Reference: Well: Robinson HW Fed Com #3H	Grid: North	
Site: Robinson HW Fed Com #3H	Vertical (TVD) Reference: RKB 3655.0		
Well: Robinson HW Fed Com #3H	Section (VS) Reference: Well: (0.00N, 0.00E, 270.35Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Thames Field
Eddy, Co. NM
USA

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Robinson HW Fed Com #3H

Site Position: Northing: 693477.30 ft Latitude: 32 54 22.631 N
From: Map Easting: 438383.50 ft Longitude: 104 32 2.757 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3638.00 ft Grid Convergence: -0.11 deg

Well: Robinson HW Fed Com #3H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 693477.30 ft Latitude: 32 54 22.631 N
+E/-W 0.00 ft Easting: 438383.50 ft Longitude: 104 32 2.757 W
Position Uncertainty: 0.00 ft

Wellpath: OH

Current Datum: RKB Height: 3655.00 ft Drilled From: Surface
Magnetic Data: 10/04/2007 Tie-on Depth: 0.00 ft
Field Strength: 49334 nT Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg
0.00 0.00 0.00 270.35

Survey: Gyro Survey

Start Date: 10/04/2007

Company: Pathfinder Energy
Tool:

Engineer:
Tied-to: From Surface

Survey: Gyro Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.34	7.17	100.00	0.29	0.04	-0.04	0.34	0.34	0.00	
200.00	0.47	3.57	200.00	1.00	0.10	-0.09	0.13	0.13	-3.60	
300.00	0.58	357.82	299.99	1.91	0.11	-0.09	0.12	0.11	-5.75	
400.00	0.69	340.81	399.99	2.99	-0.11	0.13	0.22	0.11	-17.01	
500.00	0.49	317.88	499.98	3.87	-0.60	0.62	0.31	-0.20	-22.93	
600.00	0.44	289.60	599.98	4.32	-1.24	1.27	0.23	-0.05	-28.28	
700.00	0.26	256.17	699.98	4.39	-1.83	1.85	0.27	-0.18	-33.43	
800.00	0.57	278.76	799.97	4.42	-2.54	2.57	0.34	0.31	22.59	
900.00	0.81	283.20	899.97	4.65	-3.72	3.75	0.25	0.24	4.44	
1000.00	0.74	283.24	999.96	4.96	-5.03	5.07	0.07	-0.07	0.04	
1100.00	0.86	285.86	1099.95	5.32	-6.39	6.42	0.13	0.12	2.62	
1200.00	0.80	290.45	1199.94	5.76	-7.76	7.80	0.09	-0.06	4.59	
1300.00	0.75	303.05	1299.93	6.36	-8.96	9.00	0.18	-0.05	12.60	
1400.00	0.69	294.91	1399.92	6.98	-10.06	10.10	0.12	-0.06	-8.14	
1500.00	0.60	317.24	1499.91	7.61	-10.96	11.01	0.26	-0.09	22.33	
1600.00	0.67	318.22	1599.91	8.43	-11.71	11.76	0.07	0.07	0.98	
1700.00	0.71	312.29	1699.90	9.29	-12.55	12.61	0.08	0.04	-5.93	
1800.00	0.73	299.15	1799.89	10.01	-13.57	13.63	0.17	0.02	-13.14	
1900.00	0.90	297.96	1899.88	10.69	-14.82	14.88	0.17	0.17	-1.19	
2000.00	0.79	294.70	1999.87	11.35	-16.14	16.21	0.12	-0.11	-3.26	
2100.00	0.75	302.88	2099.86	11.99	-17.31	17.39	0.12	-0.04	8.18	
2200.00	0.58	314.08	2199.86	12.70	-18.23	18.31	0.21	-0.17	11.20	
2300.00	0.48	319.53	2299.85	13.37	-18.86	18.94	0.11	-0.10	5.45	

Pathfinder Energy

Survey Report

Company: EOG Resources	Date: 10/15/2007	Time: 11:29:34	Page: 2
Field: Thames Field	Co-ordinate(NE) Reference: Well: Robinson HW Fed Com #3H, Grid North		
Site: Robinson HW Fed Com #3H	Vertical (TVD) Reference: RKB 3655.0		
Well: Robinson HW Fed Com #3H	Section (VS) Reference: Well (0.00N,0.00E,270.35Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey: Gyro Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2400.00	0.46	323.32	2399.85	14.01	-19.37	19.46	0.04	-0.02	3.79	
2500.00	0.40	332.38	2499.85	14.64	-19.78	19.87	0.09	-0.06	9.06	
2600.00	0.43	325.48	2599.84	15.26	-20.15	20.24	0.06	0.03	-6.90	
2700.00	0.50	316.92	2699.84	15.89	-20.66	20.76	0.10	0.07	-8.56	
2800.00	0.48	327.92	2799.84	16.56	-21.18	21.28	0.10	-0.02	11.00	
2900.00	0.40	321.06	2899.83	17.19	-21.62	21.73	0.10	-0.08	-6.86	
3000.00	0.46	323.03	2999.83	17.78	-22.08	22.19	0.06	0.06	1.97	
3100.00	0.39	316.99	3099.83	18.35	-22.56	22.67	0.08	-0.07	-6.04	
3200.00	0.25	278.58	3199.83	18.63	-23.01	23.12	0.25	-0.14	-38.41	
3300.00	0.25	256.21	3299.82	18.61	-23.43	23.55	0.10	0.00	-22.37	
3400.00	0.27	268.65	3399.82	18.55	-23.88	23.99	0.06	0.02	12.44	
3500.00	0.11	123.37	3499.82	18.50	-24.04	24.15	0.37	-0.16	-145.28	
3600.00	0.29	122.40	3599.82	18.31	-23.74	23.85	0.18	0.18	-0.97	
3700.00	0.30	121.18	3699.82	18.04	-23.30	23.42	0.01	0.01	-1.22	
3800.00	1.08	99.94	3799.81	17.74	-22.15	22.26	0.81	0.78	-21.24	
3900.00	0.98	111.31	3899.80	17.27	-20.43	20.53	0.23	-0.10	11.37	
4000.00	0.68	121.24	3999.79	16.65	-19.12	19.23	0.33	-0.30	9.93	
4100.00	0.91	115.67	4099.78	15.99	-17.90	18.00	0.24	0.23	-5.57	
4107.00	0.92	116.98	4106.78	15.95	-17.80	17.90	0.33	0.14	18.71	Tie in to Gyro @ 4170' MD

Targets

Name	Description	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec		Longitude Deg Min Sec	
PBHL		4723.00	26.50	-4297.50	693503.80	434086.00	32	54	22.809	N 104 32 53.167 W
Interp HL Xing		4735.00	12.00	-300.00	693489.30	438083.50	32	54	22.744	N 104 32 6.276 W

Annotation

MD ft	TVD ft	
4107.00	4106.78	Tie in to Gyro @ 4170' MD
4250.00	0.00	KOP @ 4250' MD, Begin Build @ 10.56°/100'
5109.90	0.00	EOC @ 5110' MD, 4800' TVD, Begin Hold
6609.90	0.00	EOH @ 6610' MD, Begin Build @ 3°/100'
6676.56	0.00	EOB @ 6677' MD, 92° INC, Hold to TD
8657.00	0.00	Final MWD Survey @ 8657' MD
8735.00	0.00	Proj. to Bit @ 8735' MD

Pathfinder Energy Survey Report

Company: EOG Resources Field: Thames Field Site: Robinson HW Fed Com #3H Well: Robinson HW Fed Com #3H Wellpath: OH		Date: 10/15/2007 Time: 11:27:07 Page: 1 Co-ordinate(NE) Reference: Well: Robinson HW Fed Com #3H, Grid: North Vertical (TVD) Reference: RKB 3655.0 Section (VS) Reference: Well (0.00N,0.00E,270.35Azi) Survey Calculation Method: Minimum Curvature Db: Sybase								
Field: Thames Field Eddy, Co. NM USA Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level		Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005								
Site: Robinson HW Fed Com #3H										
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3638.00 ft		Northing: 693477.30 ft Easting: 438383.50 ft Latitude: 32 54 22 631 N Longitude: 104 32 2.757 W North Reference: Grid Grid Convergence: -0 11 deg								
Well: Robinson HW Fed Com #3H Slot Name:										
Well Position: +N/-S 0.00 ft Northing: 693477.30 ft Latitude: 32 54 22.631 N +E/-W 0.00 ft Easting: 438383.50 ft Longitude: 104 32 2.757 W Position Uncertainty: 0.00 ft										
Wellpath: OH Current Datum: RKB Height: 3655.00 ft Magnetic Data: 10/04/2007 Field Strength: 49334 nT Vertical Section: Depth From (TVD) ft +N/-S ft		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.51 deg Mag Dip Angle: 60.75 deg +E/-W ft Direction deg								
0 00		0.00 0.00 270.35								
Survey: Pathfinder MWD Company: Pathfinder Energy Tool:		Start Date: 10/08/2007 Engineer: Tied-to: From: Definitive Path								
Survey: Pathfinder MWD										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4107.00	0.92	116.98	4106.78	15.95	-17.80	17.90	0.00	0.00	0.00	Tie in to Gyro @ 4170' MD
4173.00	1.23	106.52	4172.76	15.50	-16.65	16.74	0.55	0.47	-15.85	
4237.00	1.06	114.43	4236.75	15.06	-15.45	15.54	0.36	-0.27	12.36	
4250.00	0.70	179.41	4249.75	14.93	-15.34	15.43	7.63	-2.79	499.85	KOP @ 4250' MD, Begin Bu
4269.00	1.76	232.32	4268.75	14.64	-15.57	15.66	7.63	5.59	278.47	
4300.00	5.72	253.49	4299.68	13.91	-17.43	17.51	13.32	12.77	68.29	
4332.00	9.32	259.15	4331.40	12.97	-21.50	21.58	11.47	11.25	17.69	
4364.00	14.25	262.70	4362.71	11.98	-27.96	28.03	15.56	15.41	11.09	
4395.00	18.03	269.36	4392.49	11.44	-36.55	36.62	13.56	12.19	21.48	
4427.00	21.81	276.25	4422.57	12.03	-47.41	47.49	13.89	11.81	21.53	
4459.00	25.76	279.20	4451.85	13.79	-60.19	60.27	12.89	12.34	9.22	
4491.00	28.67	277.44	4480.30	15.90	-74.67	74.77	9.43	9.09	-5.50	
4522.00	30.95	274.83	4507.20	17.53	-89.99	90.10	8.46	7.35	-8.42	
4554.00	33.41	273.41	4534.28	18.75	-106.99	107.10	8.04	7.69	-4.44	
4586.00	35.96	272.75	4560.59	19.73	-125.17	125.29	8.05	7.97	-2.06	
4617.00	39.39	272.51	4585.13	20.59	-144.09	144.22	11.07	11.06	-0.77	
4649.00	43.70	272.62	4609.07	21.54	-165.29	165.42	13.47	13.47	0.34	
4681.00	47.40	270.99	4631.48	22.25	-188.12	188.25	12.12	11.56	-5.09	
4712.00	50.12	269.17	4651.91	22.28	-211.42	211.56	9.82	8.77	-5.87	
4744.00	52.06	268.39	4672.01	21.75	-236.32	236.45	6.35	6.06	-2.44	
4776.00	55.31	268.24	4690.96	20.99	-262.09	262.21	10.16	10.16	-0.47	
4807.00	59.09	267.82	4707.							

Pathfinder Energy

Survey Report

Company: EOG Resources Field: Thames Field Site: Robinson HW Fed Com #3H Well: Robinson HW Fed Com #3H Wellpath: OH	Date: 10/15/2007 Time: 11:27:07 Page: 2 Co-ordinate(NE) Reference: Well: Robinson HW Fed Com #3H, Grid Nort Vertical (TVD) Reference: RKB 3655.0 Section (VS) Reference: Well (0.00N,0.00E,270.35Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey: Pathfinder MWD

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4867.16	66.59	268.00	4735.00	18.26	-341.68	341.78	11.01	11.00	-0.63	Interp. HL Xing
4871.00	67.01	267.98	4736.51	18.14	-345.20	345.31	11.01	11.00	-0.61	
4903.00	69.64	268.38	4748.33	17.19	-374.92	375.02	8.30	8.22	1.25	
4934.00	71.93	268.38	4758.53	16.37	-404.18	404.28	7.39	7.39	0.00	
4966.00	74.83	268.61	4767.68	15.56	-434.83	434.92	9.09	9.06	0.72	
4998.00	78.08	268.68	4775.18	14.83	-465.93	466.01	10.16	10.16	0.22	
5029.00	80.90	269.59	4780.83	14.37	-496.40	496.48	9.54	9.10	2.94	
5061.00	83.45	269.66	4785.19	14.16	-528.10	528.18	7.97	7.97	0.22	
5109.90	86.35	269.27	4789.54	13.71	-576.80	576.87	5.98	5.93	-0.79	EOC @ 5110' MD, 4800' TVD
5156.00	89.08	268.91	4791.37	12.98	-622.85	622.92	5.98	5.93	-0.79	
5251.00	90.22	269.16	4791.95	11.38	-717.84	717.89	1.23	1.20	0.26	
5347.00	91.98	269.91	4790.11	10.60	-813.81	813.86	1.99	1.83	0.78	
5442.00	91.36	270.22	4787.34	10.70	-908.77	908.82	0.73	-0.65	0.33	
5474.00	91.45	269.94	4786.56	10.75	-940.76	940.81	0.92	0.28	-0.87	
5569.00	89.78	269.88	4785.54	10.60	-1035.75	1035.80	1.76	-1.76	-0.06	
5696.00	89.08	270.11	4786.80	10.59	-1162.74	1162.79	0.58	-0.55	0.18	
5791.00	89.60	269.63	4787.90	10.37	-1257.74	1257.78	0.74	0.55	-0.51	
5918.00	89.60	270.42	4788.78	10.43	-1384.73	1384.77	0.62	0.00	0.62	
6043.00	90.31	270.58	4788.88	11.52	-1509.73	1509.77	0.58	0.57	0.13	
6169.00	91.89	272.55	4786.46	14.96	-1635.65	1635.71	2.00	1.25	1.56	
6292.00	89.78	271.32	4784.67	19.11	-1758.55	1758.64	1.99	-1.72	-1.00	
6416.00	91.54	272.90	4783.24	23.68	-1882.45	1882.56	1.91	1.42	1.27	
6541.00	94.00	271.29	4777.20	28.24	-2007.21	2007.35	2.35	1.97	-1.29	
6609.90	94.10	271.60	4772.33	29.98	-2075.92	2076.06	0.48	0.15	0.46	EOH @ 6610' MD, Begin Bu
6664.00	94.18	271.85	4768.43	31.60	-2129.85	2130.01	0.48	0.15	0.46	
6676.56	94.05	271.78	4767.53	32.00	-2142.37	2142.53	1.19	-1.06	-0.54	EOB @ 6677' MD, 92° INC,
6789.00	92.86	271.17	4760.75	34.89	-2254.57	2254.74	1.19	-1.06	-0.54	
6916.00	91.89	269.21	4755.49	35.31	-2381.45	2381.62	1.72	-0.76	-1.54	
7039.00	91.89	268.13	4751.43	32.46	-2504.35	2504.50	0.88	0.00	-0.88	
7164.00	91.19	267.49	4748.07	27.68	-2629.21	2629.33	0.76	-0.56	-0.51	
7288.00	92.33	268.24	4744.27	23.06	-2753.06	2753.15	1.10	0.92	0.60	
7412.00	91.54	267.05	4740.08	17.97	-2876.88	2876.94	1.15	-0.64	-0.96	
7569.00	91.19	265.92	4736.34	8.35	-3033.54	3033.54	0.75	-0.22	-0.72	
7725.00	91.10	265.86	4733.22	-2.83	-3189.11	3189.03	0.07	-0.06	-0.04	
7880.00	92.15	265.92	4728.83	-13.93	-3343.65	3343.50	0.68	0.68	0.04	
8038.00	90.92	265.04	4724.59	-26.38	-3501.09	3500.87	0.96	-0.78	-0.56	
8193.00	90.75	264.48	4722.33	-40.54	-3655.43	3655.11	0.38	-0.11	-0.36	
8348.00	90.48	264.41	4720.67	-55.54	-3809.69	3809.28	0.18	-0.17	-0.05	
8504.00	90.31	264.98	4719.60	-69.96	-3965.02	3964.51	0.38	-0.11	0.37	
8657.00	90.66	264.91	4718.30	-83.44	-4117.42	4116.83	0.23	0.23	-0.05	Final MWD Survey @ 8657'
8735.00	90.66	264.91	4717.40	-90.36	-4195.11	4194.47	0.00	0.00	0.00	Proj. to Bit @ 8735' MD

Targets

Name	Description Dip: Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->						
							Deg	Min	Sec	Deg	Min	Sec				
PBHL Interp. HL Xing		4723.00	26.50	-4297.50	693503.80	434086.00	32	54	22	809	N	104	32	53	167	W
		4735.00	12.00	-300.00	693489.30	438083.50	32	54	22	744	N	104	32	6	276	W

Pathfinder Energy

Survey Report

Company:	EOG Resources	Date:	10/15/2007	Time:	11:27:07	Page:	3
Field:	Thames Field	Co-ordinate(NE) Reference:	Well: Robinson HW Fed Com #3H; Grid North				
Site:	Robinson HW Fed Com #3H	Vertical (TVD) Reference:	RKB 3655.0				
Well:	Robinson HW Fed Com #3H	Section (VS) Reference:	Well: (0.00N, 0.00E, 270.35Azi)				
Wellpath:	OH	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Annotation

MD ft	TVD ft	
4107.00	4106.78	Tie in to Gyro @ 4170' MD
4250.00	4249.75	KOP @ 4250' MD, Begin Build @ 10.56°/100'
5109.90	4789.54	EOC @ 5110' MD, 4800' TVD, Begin Hold
6609.90	4772.33	EOH @ 6610' MD, Begin Build @ 3°/100'
6676.56	4767.53	EOB @ 6677' MD, 92° INC, Hold to TD
8657.00	4718.30	Final MWD Survey @ 8657' MD
8735.00	4717.40	Proj to Bit @ 8735' MD

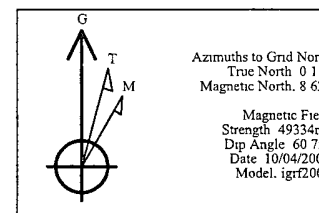


PATHFINDER

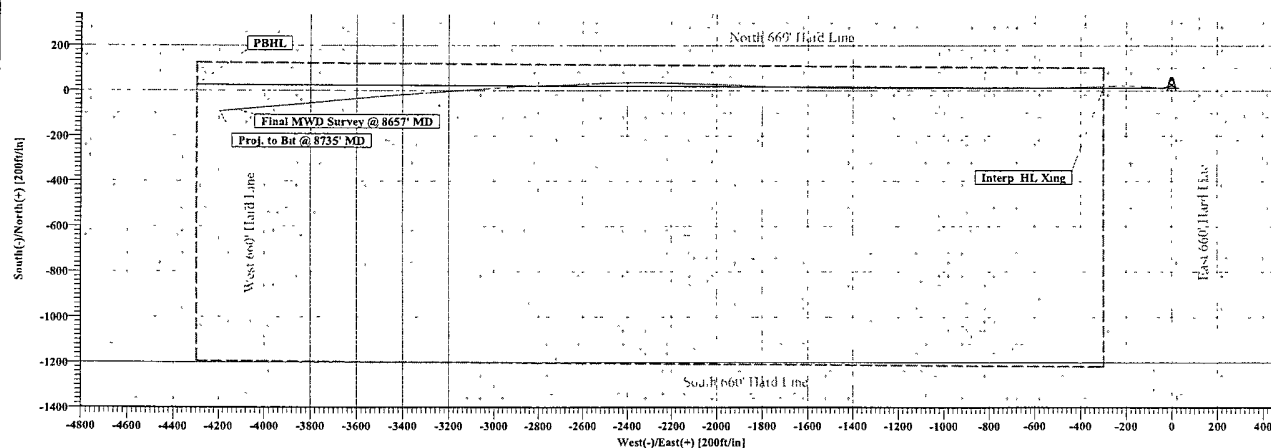
Field: Thames Field
Site: Robinson HW Fed Com #3H
Well: Robinson HW Fed Com #3H
Wellpath: OH
Survey: Pathfinder MWD

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Robinson HW Fed Com #3H	0 00	0 00	693477 30	438383 50	32°54'22 63"N	104°32'02 75"W

Survey Pathfinder MWD (Robinson HW Fed Com #3H/OH)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
51	7569 00	91.19	265 92	4736 34	8 35	-3033 54	0 75	-107 20	3033 54
52	7725 00	91.10	265 86	4733 22	-2 83	-3189 11	0 07	-146 31	3189 03
53	7880 00	92.15	265 92	4728 83	-13 93	-3343 65	0 68	3 27	3343.50
54	8038 00	90 92	265 04	4724 59	-26 38	-3501 09	0 96	-144 42	3500.87
55	8193 00	90.75	264.48	4722 33	-40 54	-3655 43	0 38	-106 88	3655 11
56	8348 00	90.48	264 41	4720 67	-55 54	-3809 69	0 18	-165 47	3809 28
57	8504 00	90 31	264.98	4719 60	-69 96	-3965 02	0 38	106 61	3964.51
58	8657 00	90 66	264.91	4718 30	-83 44	-4117 42	0 23	-11 31	4116 83
59	8735 00	90 66	264 91	4717 40	-90 36	-4195 11	0 00	0 00	4194 47

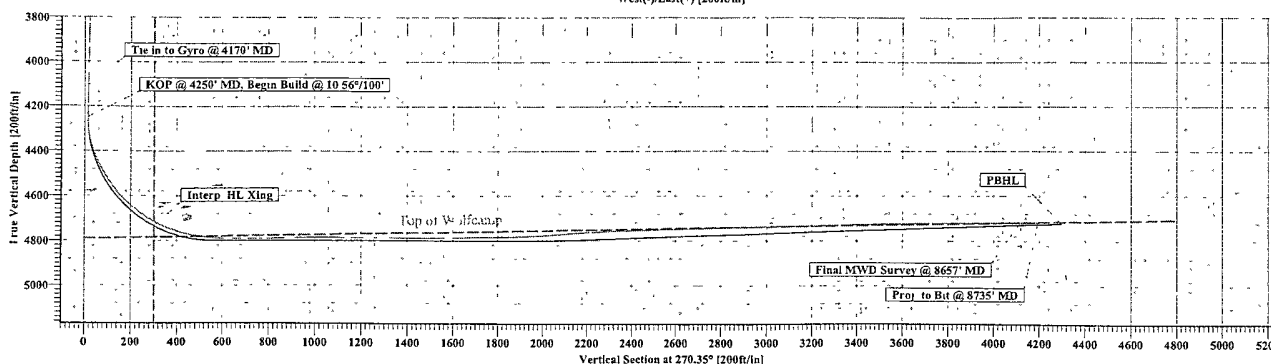


TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
PBHL	4723 00	26 50	-4297 50	Point
Interp HL Xing	4735 00	12 00	-300 00	Point



SITE DETAILS	
Robinson HW Fed Com #3H	
Site Centre Northing	693477 30
Easting	438383 50
Ground Level	3638 00
Positional Uncertainty	0 00
Convergence	-0 11

FIELD DETAILS	
Thames Field	
Eddy, Co NM	
USA	
Geodetic System	US State Plane Coordinate System 1927
Ellipsoid	NAD27 (Clarke 1866)
Zone	New Mexico, Eastern Zone
Magnetic Model	igr2005
System Datum	Mean Sea Level
Local North	Grid North



ANNOTATIONS			
No	TVD	MD	Annotation
1	4106 78	4107 00	Tie in to Gyro @ 4170' MD
2	4249 75	4250 00	KOP @ 4250' MD, Begin Build @ 10 56°/100'
3	4789 54	5109 90	EOB @ 5110' MD, 4800' TVD, Begin Hold
4	4772 33	6609 90	EOH @ 6610' MD, Begin Build @ 3°/100'
5	4767 53	6676 56	EOB @ 6677' MD, 92° INC, Hold to TD
6	4718 30	8657 00	Final MWD Survey @ 8657' MD
7	4717 40	8735 00	Proj. to Bit @ 8735' MD

LEGEND	
—	Robinson HW Fed Com #3H, OH, Post Gyro Plan
- - -	Sours 29 State #1H (OH)
—	OH
—	Pathfinder MWD